Physical Change Lab

LAB: MELT IT!

Problem: Which ice cube will melt the fastest? Why? A: The ice cube left on the kitchen counter. B: The ice cube left in a hot spot. C: The ice cube with salt on it. D: The ice cube crushed gently with a heavy utensil or hammer.

Materials:

4 ice cubes, same size
4 small dishes
salt
hammer or heavy utensil

Procedure:

1. Put an ice cube on each plate.
2. Leave one on the kitchen counter.
3. Find a hot spot around your lab or classroom. (On a windowsill or next to a heater).
4. Put one ice cube in the hot spot.
5. Pour salt on the third ice cube.
6. Put this ice cube on a table or counter.
7. Crush the last ice cube gently with a hammer or heavy utensil and leave it on the counter.
8. Wait a few minutes. Check your ice cubes and see what happened.
9. Which ice cube melted the fastest? Compare how long it takes for the ice cubes to melt.

Observations:

1. Observe and record what happens.
2. Record the time to the minute on your data sheet.
3. Translate your collected data into a graph.

Conclusion: